

O I-P
08/10/2004

13:55

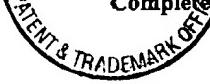
LSI LOGIC LEGAL IP → 917037464000

NO. 001

0003

AUG 10 2004

PART B - FEE(S) TRANSMITTAL



BEST AVAILABLE COPY

Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
or Fax (703) 746-4000

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address)

24319 7590 07/08/2004

LSI LOGIC CORPORATION
 1621 BARBER LANE
 MS: D-106 LEGAL
 MILPITAS, CA 95035

08/11/2004 HDEMESS2 00000026 122252 09851860

01 FC:1501 1330.00 DA
 02 FC:1504 300.00 DA

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission.

Certificate of Mailing or Transmission
 I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (703) 746-4000, on the date indicated below.

Connie del Castillo	(Depositor's name)
<i>Connie del Castillo</i>	(Signature)
8/10/04	(Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/851,860	05/09/2001	David N. Pether	00-340 1496.00083	3566

TITLE OF INVENTION: BIT REDUCTION USING DITHER, ROUNDING AND ERROR FEEDBACK

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1330	\$300	\$1630	10/08/2004

EXAMINER	ART UNIT	CLASS-SUBCLASS
NGO, CHUONG D	2124	708-550000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).
 Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
 "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47, Rev 03-02, or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list
 (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
 (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

1 Christopher P. Maiorana,
 P.C.
 2 _____
 3 _____

3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

LSI Logic Corporation

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Milpitas, CA

Please check the appropriate assignee category or categories (will not be printed on the patent): individual corporation or other private group entity government

4a. The following fee(s) are enclosed:

Issue Fee
 Publication Fee (No small entity discount permitted)
 Advance Order - # of Copies _____

4b. Payment of Fee(s):

A check in the amount of the fee(s) is enclosed.
 Payment by credit card. Form PTO-2038 is attached.
 The Director is hereby authorized to charge the required fee(s), or credit any overpayment, to Deposit Account Number 32-2252 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27.
 b. Applicant is not claiming SMALL ENTITY status. See, e.g., 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above.

NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

(Authorized Signature) *Sandeep Jaggi, Reg. # 43,331* (Date) *8-10-04*

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMIT THIS FORM WITH FEE(S)



13:55

LSI LOGIC LEGAL IP → 917037464000

NO. 001 D001

LSI Logic Corporation
Legal Department - IP
1621 Barber Lane, MS D-106
Milpitas, CA 95035

FAXDate August 10, 2004Number of pages including cover sheet 5**To: US PTO, Mail Stop Issue Fee**Fax No. 703-746-4000

Phone No. _____

CC: _____

From: Connie del Castillo**Intellectual Property Paralegal**Telephone No. (408) 433-7191Fax No. (408) 433-7460**REMARKS:** Urgent For your review Reply ASAP Please comment**Application Number:** 09/851,860**Filing date:** May 9, 2001**First named inventor:** David N. Pether et al.**Attorney docket number:** 00-340 / 1946.000831496

Transmitted herewith for filing via facsimile:

- Fee Transmittal, PTO/SB/17 (in duplicate)
- Part B – Fee(s) Transmittal PTOL-85 (in duplicate)

Pursuant to 37 C.F.R. 1.8, I hereby certify that this correspondence is being transmitted by facsimile to the U.S. Patent and Trademark Office on the date indicated below:

8/10/04Connie del Castillo

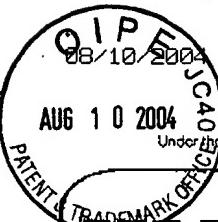
Date

Connie del Castillo

Please contact us at (408) 433-7191 if you do not receive all pages indicated above or experience any difficulty in receiving this facsimile.

This Facsimile is intended only for the use of the addressee and, if the addressee is a client or their agent, contains privileged and confidential information. If you are not the recipient of this facsimile, you have received this facsimile inadvertently and in error. Any review, dissemination, storage, copying, or further distribution of this facsimile is prohibited. Please destroy this facsimile and return the facsimile to us.

PAGE 1/5 * RCVD AT 8/10/2004 5:01:06 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-2/0 * DNIS:7464000 * CSID:408 433 7460 * DURATION (mm:ss):02:52



13:55

LSI LOGIC LEGAL IP → 917037464000

NO. 001 D002

Approved for use through 9/30/2000. OMB 0651-0032
 Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
 Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

FEES TRANSMITTAL

Patent Fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB-09-12. See 37 C.F.R. 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT **(\$14338.00)**

Complete if Known

Application Number	09/851,860
Filing Date	May-09, 2001
First Named Inventor	David Pether
Group Art Unit	2124
Examiner Name	Chuong D. Ngo
Attorney Docket No.	1496.00083 / 00-340

BEST AVAILABLE COPY

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payment to:

Deposit Account **12-2252**

Deposit Account Number **LSI LOGIC CORPORATION**

Charge Any Additional Fee required Under 37 C.F.R. 1.18 (1) at the Mailing of the Notice of

Charge the Issue Fee Set in 37 C.F.R. 1.18 (1) at the Mailing of the Notice of

2. Payment Enclosed:

Check Money Order Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code (\$)	Large Entity Fee Code (\$)	Fee Description	Fee Paid
101	790	201	395 Utility filing fee
106	330	206	165 Design filing fee
107	540	207	270 Plant filing fee
108	790	208	395 Reissue filing fee
114	150	214	75 Provisional Filing fee

SUBTOTAL (1) (\$ 0.00)

2. EXTRA CLAIM FEES

Total claim	-20** =	X	=	Fee from below	Fee Paid
Independent Claims	-3** =	X	=		
Multiple Dependent			=		

** or number previously paid, if greater. For Reissues, see below

Large Entity Fee Code (\$)	Large Entity Fee Code (\$)	Fee Description	Fee Paid
103	22	203	11 Claims in excess of 20
102	82	202	41 Independent claims in excess of 3
104	270	204	135 Multiple dependent claim, if not paid
109	82	209	41 **Reissue independent claims over original patent
110	22	210	11 **Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$ 0.00)

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code (\$)	Large Entity Fee Code (\$)	Fee Description	Fee Paid
105	130	205	65 Surcharge - late filing fee or oath
127	50	227	25 Surcharge - late provisional filing fee or cover sheet
139	130	139	130 Non-English specification
147	2,520	147	2,520 For filing request for reexamination
112	920*	112	920 Requesting publication of SIR prior to Examiner action
113	1,840*	113	1,840* Requesting publication of SIR after Examiner action
115	110	215	55 Extension for reply within first month
116	400	216	200 Extension for reply within second month
117	950	217	475 Extension for reply within third month
118	1,510	218	755 Extension for reply within fourth month
128	2,060	228	1,030 Extension for reply within fifth month
119	310	219	155 Notice of Appeal
120	310	220	155 Filing a brief in support of an appeal
121	270	221	135 Request for oral hearing
138	1,510	138	1,510 Petition to institute a public use proceeding
140	110	240	55 Petition to revive - unavoidable
141	1,320	241	680 Petition to revive - unintentional
142	1,320	242	680 Utility issue fee (or reissue) 1330
143	450	243	225 Design issue fee
144	670	244	335 Plant issue fee
122	130	122	130 Petitions to the Commissioner
123	50	123	50 Petitions related to provisional application
126	240	126	240 Submission of Information Disclosure Stmt
581	40	581	40 Recording each patent assignment per property (times number of properties)
146	790	246	395 Filing a submission after final rejection (37 CFR 1.129 (a))
149	790	249	395 For each additional invention to be examined (37 CFR 1.129 (b))
Other fee (specify)	PUBLICATION FEES		
Other fee (specify)	300		

*Reduced by Basic Filing Fee Paid **(\$ 14338.00)**

SUBTOTAL (3) (\$ 0.00)

SUBMITTED BY

Typed or printed name	Sandeep Jaggi	Reg. Number	43,331
Signature		Date	8-10-04

Complete (if applicable)

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO : Assistant Commissioner for Patents, Washington DC 20231